

FORM PTO-1449
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Attorney Docket No. 10505191

Serial No: 10/505,191

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
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(37 CFR § 1.98(b))

Applicant: Erickson

Filing Date: 03/04/05

Group Art Unit: 1632

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
/MS/	1	4,873,191	10-10-89	Wagner <i>et al.</i>	800	25	8-18-86
	2	5,175,384	12-29-92	Krimpenfort <i>et al.</i>	800	11	12-5-88
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	5	5,565,350	10-15-96	Kmiec	435	463	12-9-94
	6	5,641,670	6-24-97	Treco <i>et al.</i>	435	325	5-13-94
	7	5,756,325	5-26-98	Kmiec	435	463	9-9-96
	8	5,811,279	9-22-98	Kaetsu <i>et al.</i>	435	214	8-1-97
	9	6,037,457	3-14-00	Lord	530	413	1-31-97
	10	6,140,552	10-31-00	Deboer <i>et al.</i>	800	15	6-7-95

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

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						Yes	No
/MS/	11	WO 91/12650	22.08.91	PCT	H02N 1	00	X
/MS/	12	WO 93/09222	13.05.93	PCT	C12N 5	00	X

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

/MS/	13	Baum <i>et al.</i> , "In vivo gene transfer to salivary glands," <i>Critical Reviews in Oral Biology & Medicine</i> 10(3): 276-283, 1999
	14	Beal, "The negative correlation between parotid salivary flow and sodium concentration during atropine infusion into conscious sodium-replete sheep," <i>Journal of Physiology</i> , 267(1): 19P-20P, 1977
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	19	Degen <i>et al.</i> , "Characterization of the complementary deoxyribonucleic acid and gene coding for human prothrombin," <i>Biochemistry</i> 22: 2087-2097, 1983
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	22	Hammer <i>et al.</i> , "Production of transgenic rabbits, sheep, and pigs by microinjection," <i>Nature</i> 315: 680-683, 1985
	23	Haverkate <i>et al.</i> , "Fibrinogen milano II: a congenital dysfibrinogenemia associated with juvenile arterial and venous thrombosis," <i>Thromb Haemostas</i> 55:131-135, 1986
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	27	Koppert <i>et al.</i> , "A monoclonal antibody, specific for human fibrinogen, fibrinopeptide a-containing fragments and not reacting with free fibrinopeptide A," <i>Blood</i> 66:503, 1985

Examiner: /Magdalene Sgagias/

Date Considered: 12/10/2007

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.S./

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Patent and Trademark Office

Attorney Docket No.: AIB-09206

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: Erickson

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OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

/MS/	28	Krishnaswamy <i>et al.</i> , "The prothrombinase-catalyzed activation of prothrombin proceeds through the intermediate meizothrombin in an ordered, sequential reaction," <i>J Biol Chem.</i> 261(19): 8977-8984, 1986
	29	Lubon <i>et al.</i> , "Blood proteins from transgenic animal bioreactors," <i>Transfusion Medicine Reviews</i> X(2):131-141, 1996
	30	Lutz <i>et al.</i> , "Techniques for collecting saliva from awake unrestrained, adult monkeys for cortisol assay," <i>American Journal of Primatology</i> 52(2):93-99, 2000
	31	MacGillivray <i>et al.</i> , "Recombinant genetic approaches to functional mapping of thrombin," <i>Ann N.Y. Acad. Sci.</i> , 485:73-79, 1986
	32	Mihalyi, "Physicochemical studies of bovine fibrinogen. IV. Ultraviolet absorption and its relation to the structure of the molecule," <i>Biochemistry</i> 7:208-223, 1968
	33	Mikkelsen <i>et al.</i> , "Tissue-specific expression in the salivary glands of transgenic mice," <i>Nucleic Acids Research</i> 20(9): 2249-2255, 1992
	33	Miller <i>et al.</i> , "Nonenzymic control of prothrombin activation," <i>Ann N.Y. Acad. Sci</i> 370: 336-342, 1981
	35	Miller, "The nonenzymic activation of prothrombin by polylysine," <i>J Biol Chem</i> 235: PC63-PC64, 1960
	36	Mircis <i>et al.</i> , "Characterization of the rat salivary-gland B1-immunoreactive proteins," <i>Biochem. J.</i> 330: 437-444, 1998
	37	Needleman and Wunsch, "A general method applicable to the search for similarities in amino acid sequence of two proteins," <i>J Mol Biol.</i> 48: 443-453, 1970
	38	Ng <i>et al.</i> , "Quantifying thrombin-catalyzed release of fibrinopeptides from fibrinogen using high-performance liquid chromatography," <i>Methods Enzyme</i> 222: 341-358, 1993
	39	Palmiter <i>et al.</i> , "Transgenic Mice," <i>Cell</i> 41: 343-345, 1985
	40	Phillips <i>et al.</i> , "A technique for saliva collection in dogs," <i>Laboratory Animal Science</i> 33(5): 465-466, 1983
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	43	Rosing <i>et al.</i> , "Formation of meizothrombin as intermediate in factor Xa-catalyzed prothrombin activation," <i>J. Biol. Chem.</i> 261(9): 4224-4228, 1986
	44	Seegers <i>et al.</i> , "Some properties of purified prothrombin and its activation with sodium citrate" <i>Blood</i> 5: 421-433, 1950
	45	Shaw and Schibler, "Structure and expression of the parotid secretory protein gene of mouse," <i>J Mol Biol</i> 192:567-576, 1986
	46	Smith and Waterman, "Identification of common molecular subsequences," <i>J Mol Biol</i> 147: 195-197, 1981
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	49	Tijburg <i>et al.</i> , "Formation of meizothrombin as intermediate in factor Xa-catalyzed prothrombin activation on endothelial cells," <i>J Biol Chem</i> 266(6): 4017-4022, 1991
	50	Ting <i>et al.</i> , "Endogenous retroviral sequences are required for tissue-specific expression of a human salivary amylase gene," <i>Gene and Dev.</i> 6:1457-1465, 1992
	51	Walker <i>et al.</i> , "The activation of prothrombin by the prothrombinase complex," <i>J Biol Chem</i> 269(44): 27441-27450, 1994
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